AiC-12

Current inputs, 12 x 0...20mA

Model number:	**AiC-12**
Mounting:	DIN rail

Features

- IEX-2 module
- 12 analog inputs 0...20mA

Technical specification

Input type	0..20mA
Input resistance	50ohm
A/D converter	V/f conversion with auto calibration
Resolution	13 bits in 0.1% mode
	11 bits in 0.5% and 1% mode
Temperature drift	+-0.01%/°C of measuring range
Scan time	30ms..980ms, depends on input mode
Integration time	60ms/20ms, depends on input mode
Calibration reference	10.000mA
Power supply	24V (18..28V), 50mA
Galvanic isolation	1kV between digital and analog circuit
	no isolation between chanels
Operating conditions	0..50°C, 0..85% rh non-condensing
Weight	160g
Degree of protection	IP20
Level of ambient pollution	2
Standards	EN 61010-1, EN 61010-2-201, EN 61131-2

Terminals

INPUT MODE

mode	no.ch	accuracy	scan time	integration time	auto calibration
0	12	0.1%	980ms	60ms	each cycle
1	12	1%	420ms	20ms	each cycle
2	12	5%	360ms	20ms	every 10 minutes
3	6	0.1%	560ms	60ms	each cycle
4	6	1%	240ms	20ms	each cycle
5	6	5%	180ms	20ms	every 10 minutes
6	4	0.1%	420ms	60ms	each cycle
7	4	1%	180ms	20ms	each cycle
8	4	5%	120ms	20ms	every 10 minutes
9	2	0.1%	280ms	60ms	each cycle
10	2	1%	120ms	20ms	each cycle
11	2	5%	60ms	20ms	every 10 minutes
12	1	0.1%	210ms	60ms	each cycle
13	1	1%	90ms	20ms	each cycle
14	1	5%	30ms	20ms	every 10 minutes

Bus Connection Cable

- The product includes a 2.5 cm RJ9-to-RJ9 bus cable (Order code: CAD-P0) for connection to controllers, allowing the units to be linked together.
- Longer cable versions are available under order codes CAD-Px.

Dimensions

53

58

107